

Title (en)

MULTIPLE MATERIAL DENTAL APPARATUSES AND TECHNIQUES FOR MAKING THE SAME

Title (de)

DENTALVORRICHTUNGEN AUS MEHREREN MATERIALIEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

APPAREILS DENTAIRE À MATÉRIAUX MULTIPLES ET LEURS TECHNIQUES DE FABRICATION

Publication

EP 4225204 A1 20230816 (EN)

Application

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Priority

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- US 2021054321 W 20211009

Abstract (en)

[origin: US2022110719A1] Dental apparatuses, such as palatal expanders and aligners, and methods of forming them. The dental apparatuses may be formed by printing different regions of the device with different properties, including hybrid regions formed between adjacent regions having different physical characteristics for performing different functions when worn by a patient as part of a dental treatment. The different regions may be joined together by a transition region configured to hold adjacent regions together during use and provide advantageous properties.

IPC 8 full level

A61C 7/10 (2006.01); **A61C 7/00** (2006.01); **A61C 7/08** (2006.01)

CPC (source: EP US)

A61C 7/002 (2013.01 - EP US); **A61C 7/08** (2013.01 - EP US); **A61C 7/10** (2013.01 - EP US); **A61C 7/16** (2013.01 - US); **B29C 64/124** (2017.07 - EP); **B29C 65/48** (2013.01 - US); **B33Y 10/00** (2014.12 - EP); **B33Y 40/20** (2020.01 - US); **B33Y 70/00** (2014.12 - EP); **B33Y 70/10** (2020.01 - EP); **B33Y 80/00** (2014.12 - EP US); **G16H 20/40** (2017.12 - EP US); **G16H 50/50** (2017.12 - EP); **A61C 2201/00** (2013.01 - US); **B29C 64/336** (2017.07 - EP); **B29C 64/386** (2017.07 - US); **B29L 2031/753** (2013.01 - US); **B33Y 50/00** (2014.12 - US)

Citation (search report)

See references of WO 2022076925A1

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (publication)

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DOCDB simple family (application)

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